

	FHWA	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	REGION NO.				
3		MD			

## SIGNALS

1,3  
  
 12"

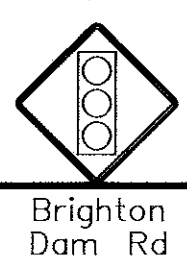
2,4-8

R  
Y  
G

12"

9-12  
(Y)

13,14



Brighton  
Dam Rd  
W 3-3  
36" x 36"  
D 3-2  
32" x Var.

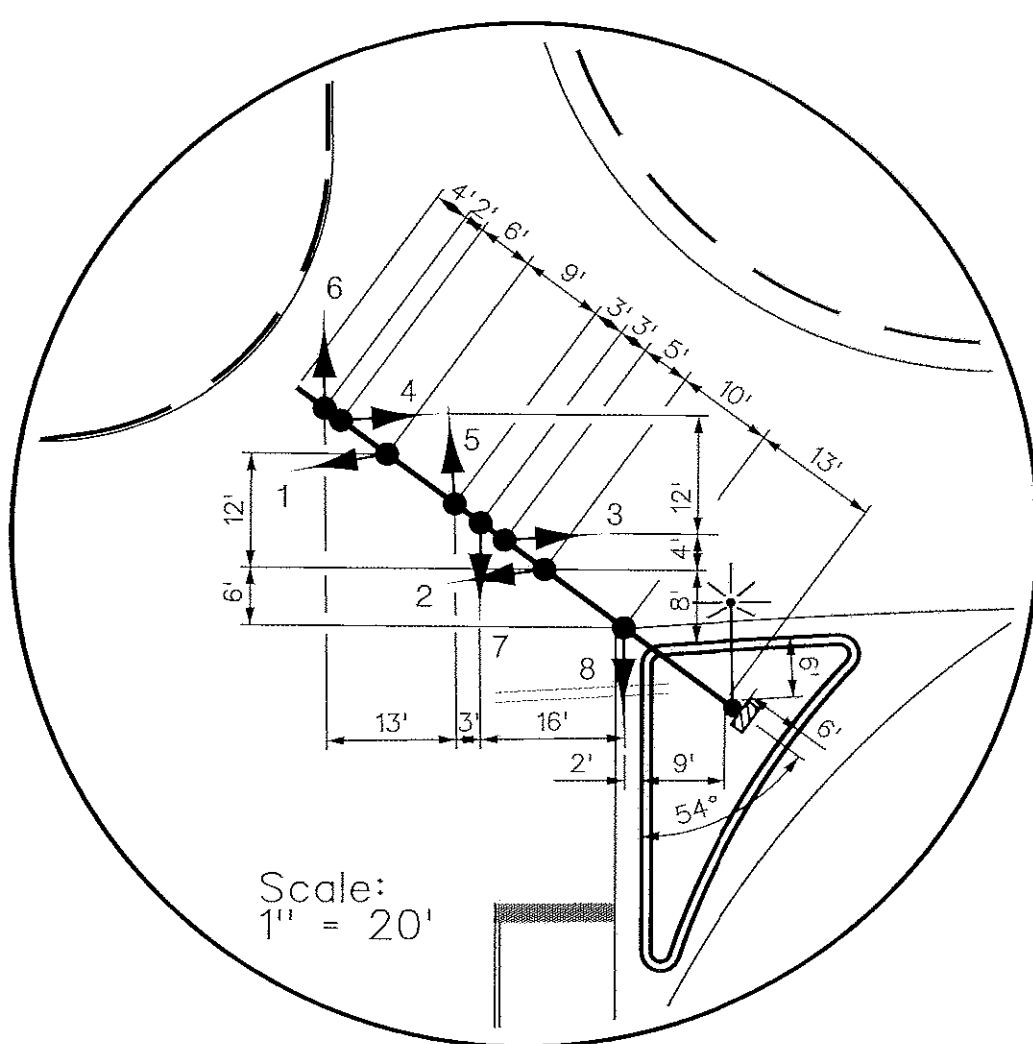
# SIGNS

15,16

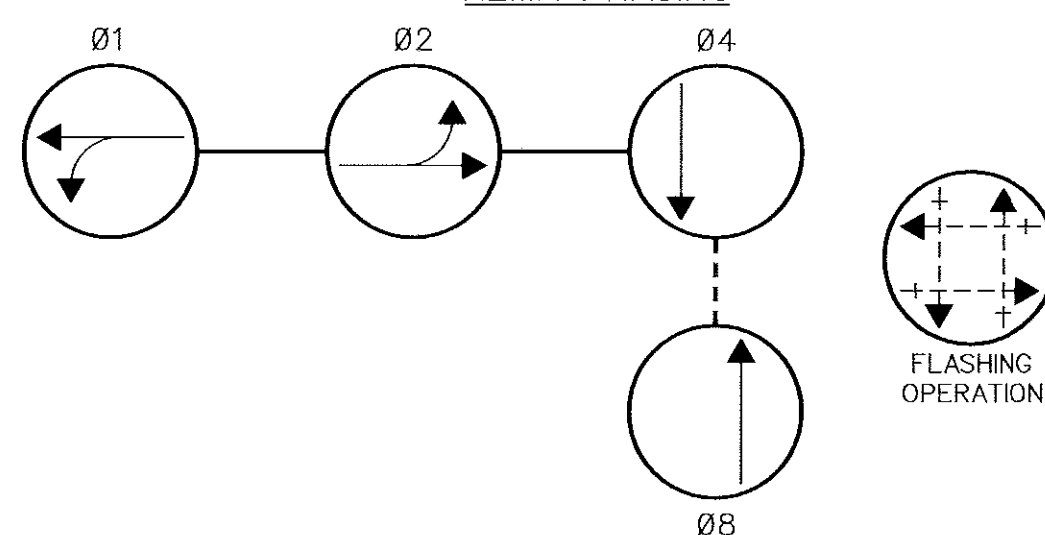


R 10-6  
24" x 30"

## Mast Arm Detail



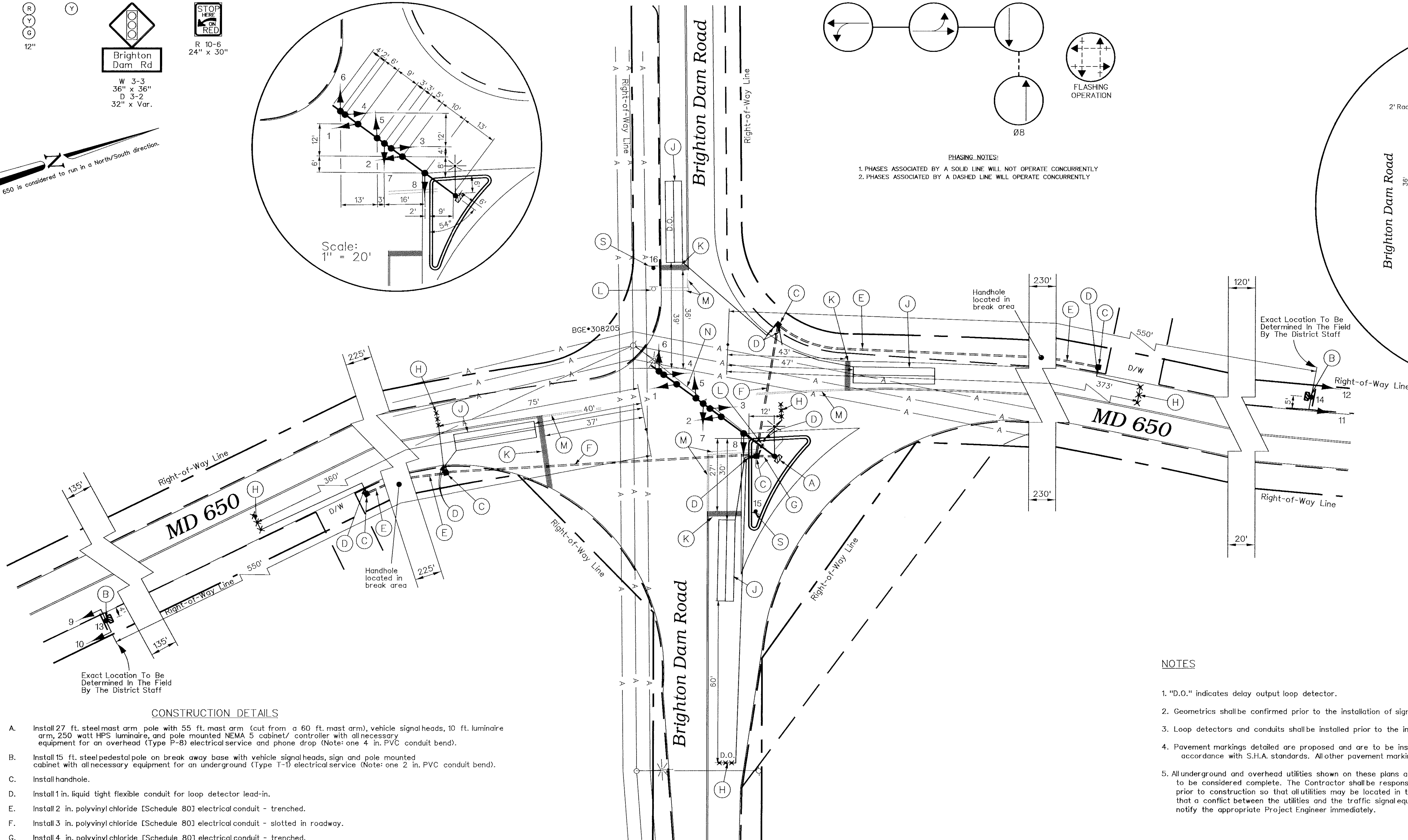
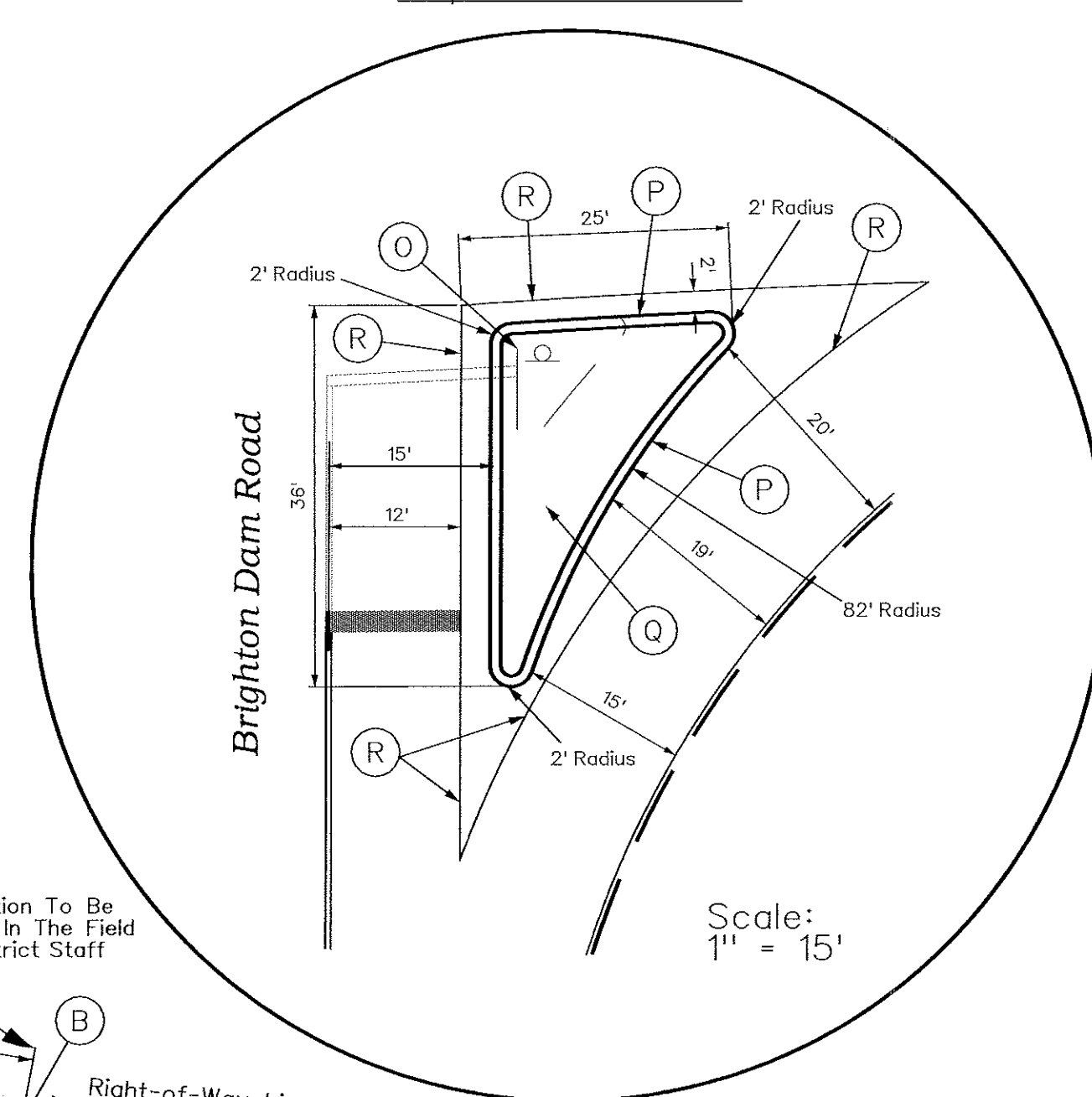
## NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY  
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

### Proposed Island Detail



## CONSTRUCTION DETAILS

- A. Install 27 ft. steel mast at a pole with 55 ft. mast arm (cut from a 60 ft. mast arm), vehicle signal heads, 10 ft. luminaire arm, 250 watt PHS luminaire, and pole mounted NEMA 5 cabinet/ controller with all necessary equipment for an overhead (Type P-8) electrical service and phone drop (Note: one 4 in. PVC conduit bend).
- B. Install 15 ft. steel pedestal pole on break away base with vehicle signal heads, sign and pole mounted cabinet with all necessary equipment for an underground (Type T-1) electrical service (Note: one 2 in. PVC conduit bend).
- C. Install handhole.
- D. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- E. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- F. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- G. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- H. Install micro-loop probe (set of 3).
- J. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
- K. Install 24 in. wide pavement marking - white for stop line.
- L. Remove existing ground mounted sign.
- M. Remove existing pavement markings by grinding.
- N. Proposed overhead electrical service by BG&E.
- O. Remove existing bituminous island.
- P. Install standard Type A curb and gutter.
- Q. Install 4 in. concrete sidewalk.
- R. Install 6 in. wide pavement marking - white for lane line.
- S. Install ground mounted sign as shown.

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

### UTILITY LEGEND

----- G -----	G -----	GAS MAIN
----- W -----	W -----	WATER MAIN
----- S -----	S -----	SEWER MAIN
----- E -----	E -----	ELECTRIC CABLES
----- D -----	D -----	STORM DRAIN
----- A -----	A -----	AERIAL CABLES
----- T -----	T -----	TELEPHONE CABLES

## REVISIONS

## APPROVALS

12/22/77  
ASST. DIVISION CHIEF TRAFFIC  
ENGINEERING DESIGN DIVISION

1/5/78  
CHIEF TRAFFIC ENGINEERING DESIGN  
DIVISION

ASST. DISTRICT ENGINEER - TRAFFIC

1/5  
DIRECTOR, OFFICE OF TRAFFIC & SAFETY



MDOT – STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

(Traffic Signal Plan)

DRAWN BY: Jamie Storck/FH  
DES. BY: Jamie Storck  
CHK. BY: *JBS* *M. Renteria* 12-22-9  
DATE: December 18, 1997 F.A.P.  
SCALE: 1" = 20' S.H.A.

MD 650 at Brighton Dam Road

COUNTY: MONTGOMERY LOG MILE \* 16065014.53

DATE: December 18, 1997 F.A.P. NO. N/A TS/STD. NO. 3759 SHEET NO. 1 of 2  
SCALE: 1" = 20' S.H.A. NO. \_\_\_\_\_



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